

The diagram illustrates a process control system for a rotary dryer. The system is divided into three main functional areas: 10 (Process Equipment), 22 (Control System), and 36 (Legend).

Process Equipment (10): A rotary dryer 12 is shown with multiple heating coils 16. Feed streams 14 enter at 1A and 1B, and exit at 20. The dryer is equipped with various sensors and control points, including 18, 33, 35, 36, 48, 50, 54, 56, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 90, and 92.

Control System (22): The control system includes a feed pump 24, a control pump 26, and a heater power requirement block. It also features a control pump speed sensor 40, a feed flow rate sensor 30, a feed BS&W sensor 32, and a temperature sensor 31. The control system is designed to adjust the temperature (T2) set point and the heater power requirement based on feedback from the process equipment.

Legend (36): The legend defines the symbols used in the diagram: a circle with a dot for a control point, a circle with a line for a sensor, a rectangle for a control valve, and a square for a pump. It also includes a note about the "PERCENT WATER" and "PERCENT SOLID" measurements.

LEGEND

-  MIXTURE FLOW
 PROCESS CONTROL
 SENSED VARIABLES

FIGURE 1

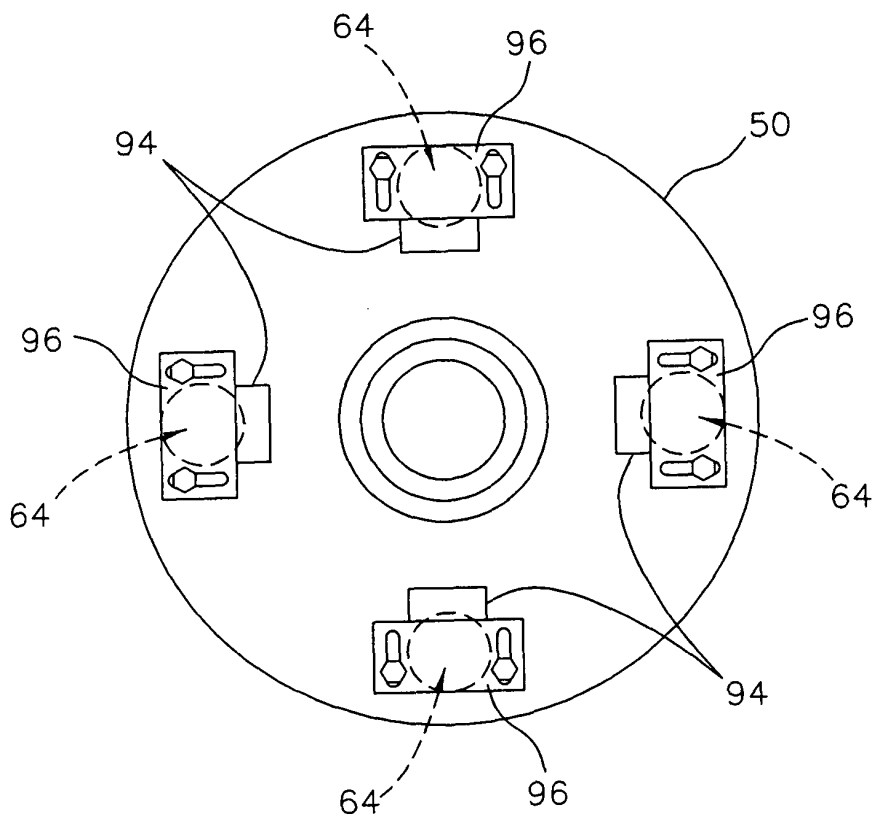


FIGURE 1A

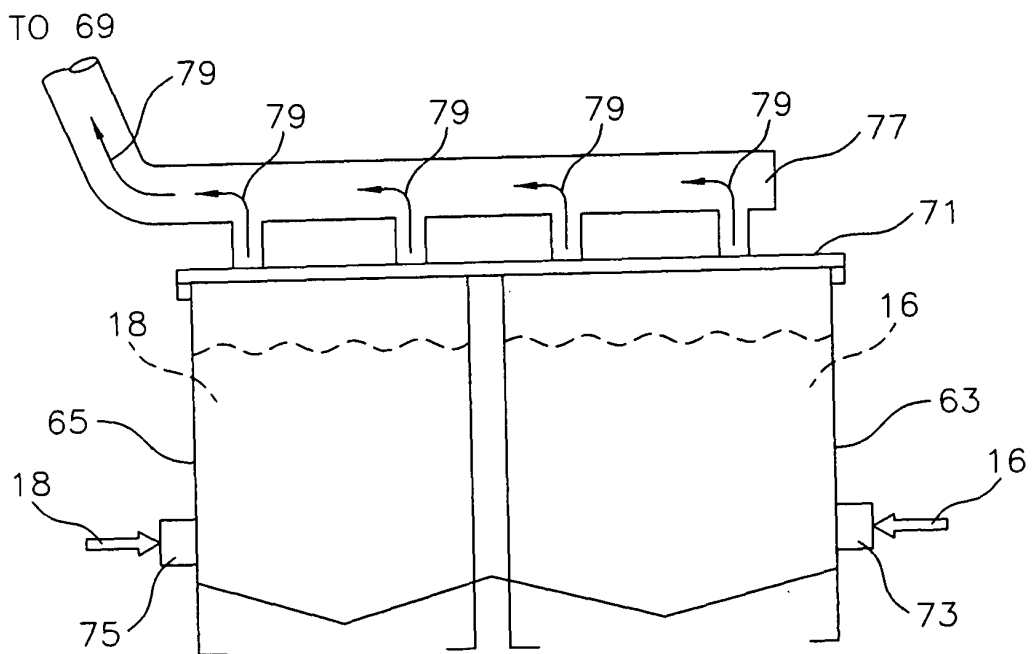


FIGURE 1B

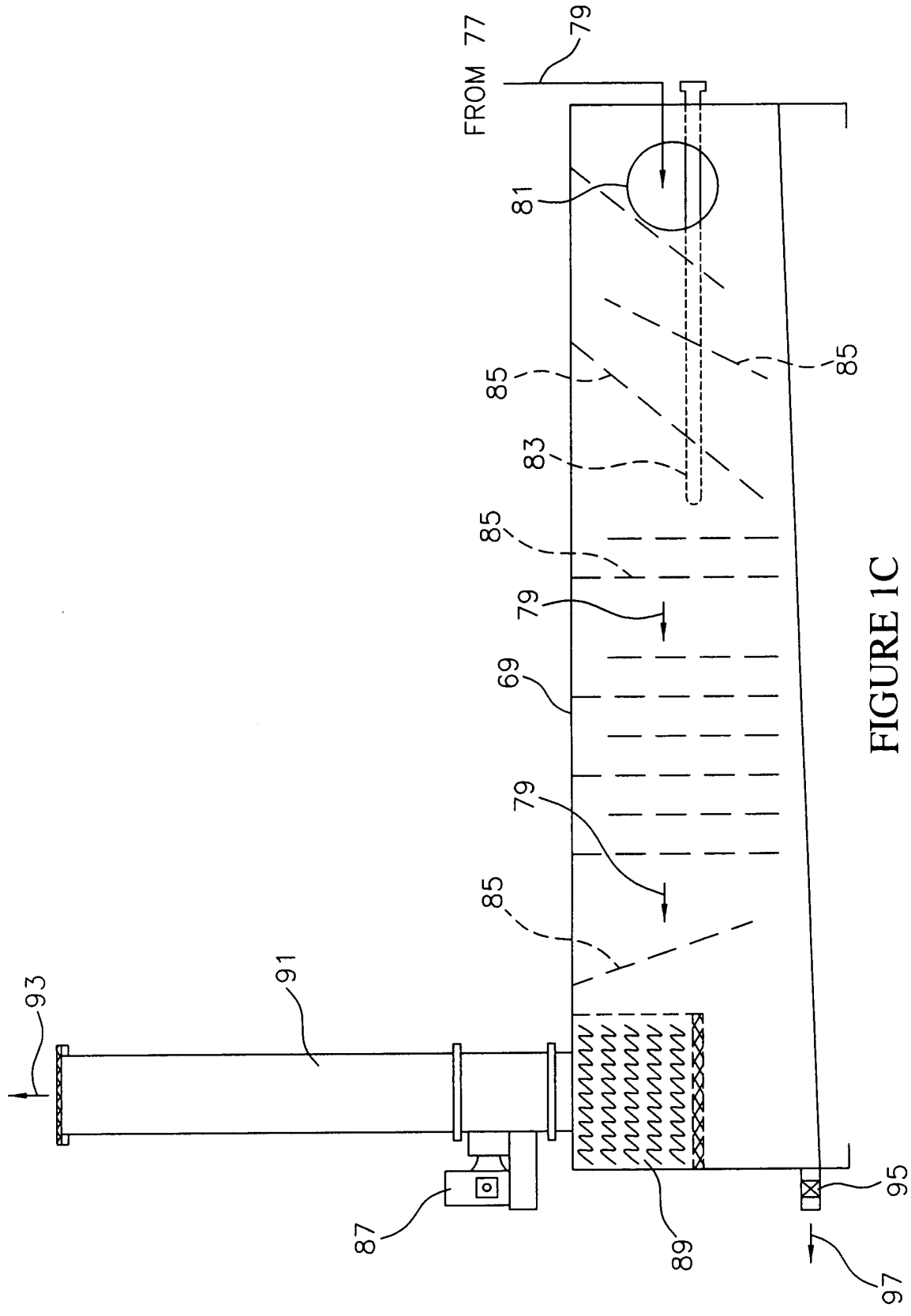


FIGURE 1C

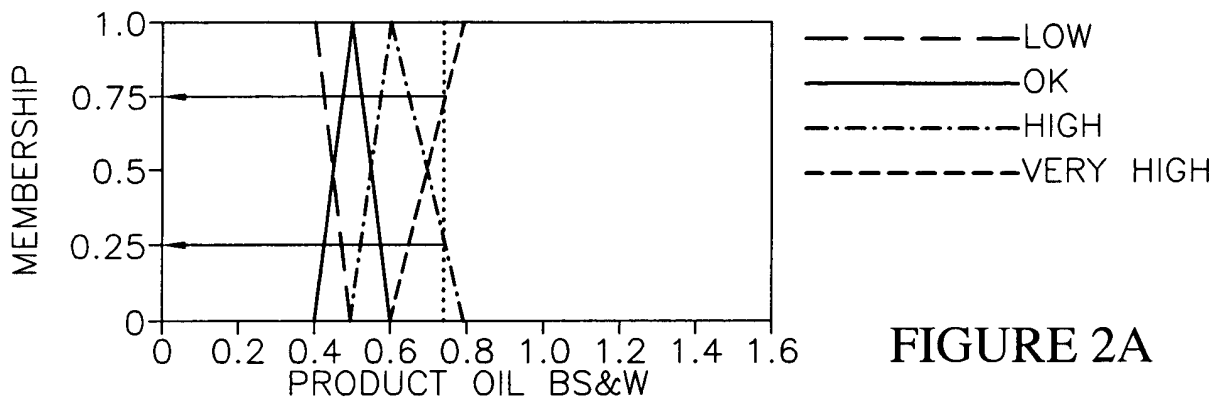


FIGURE 2A

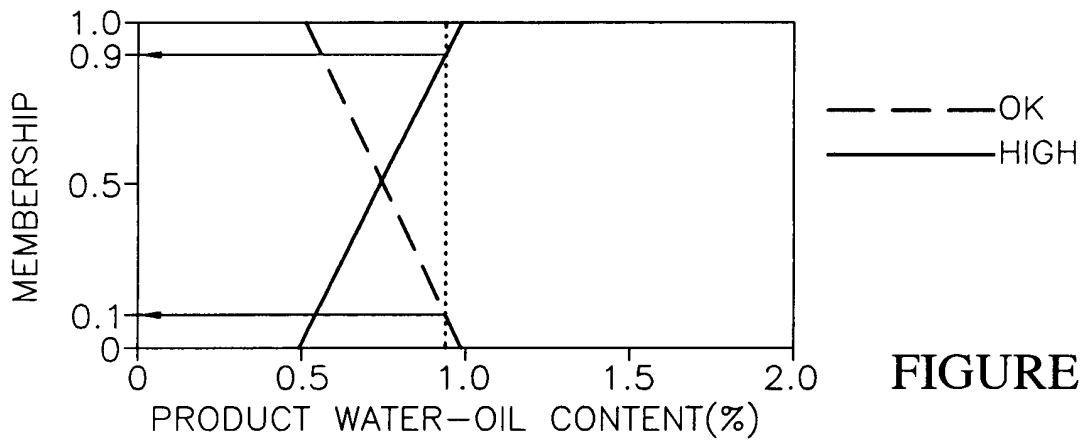


FIGURE 2B

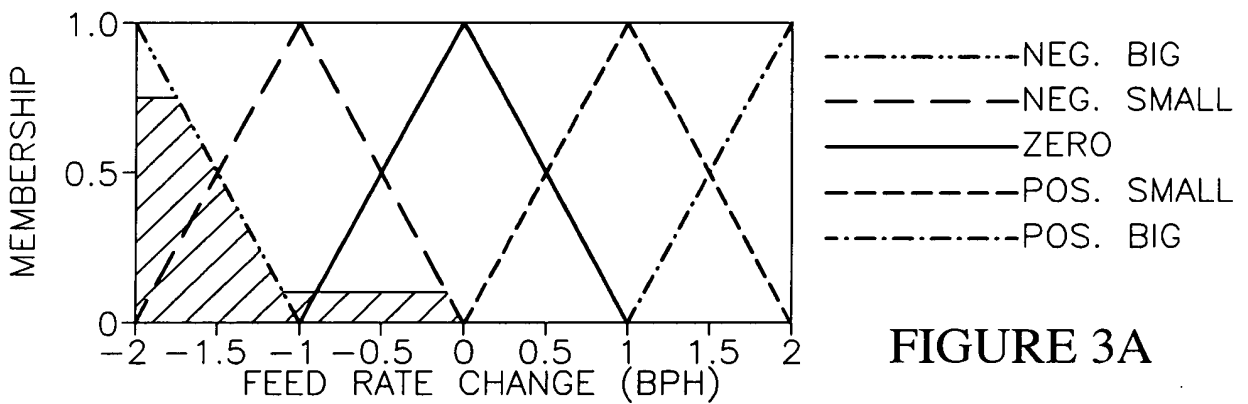


FIGURE 3A

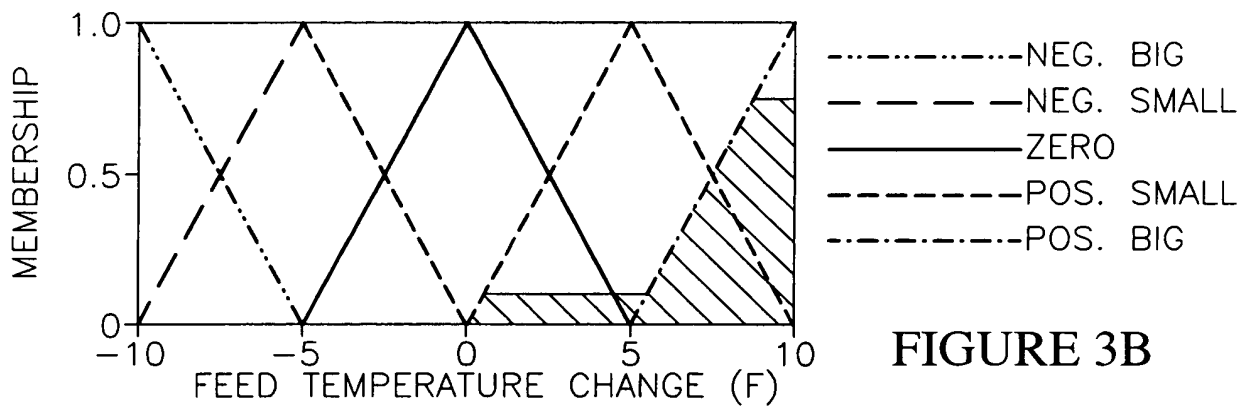


FIGURE 3B

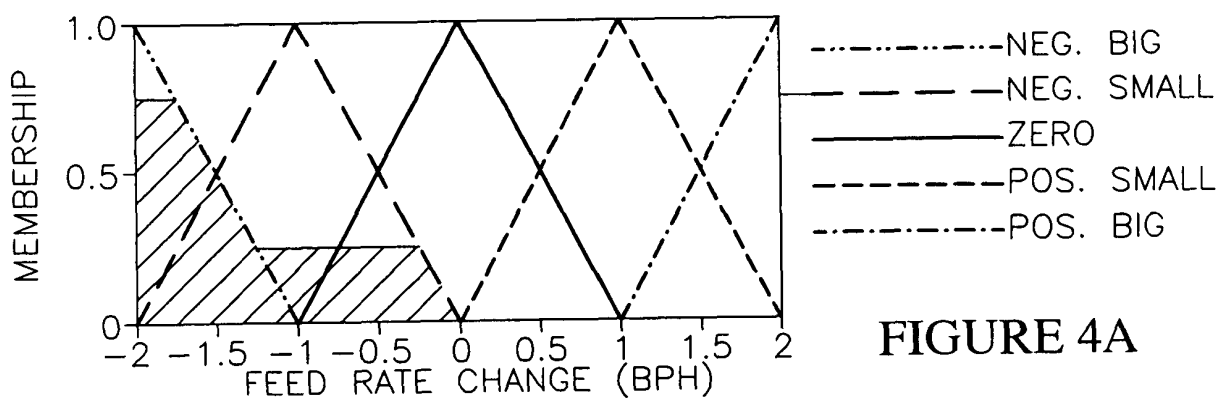


FIGURE 4A

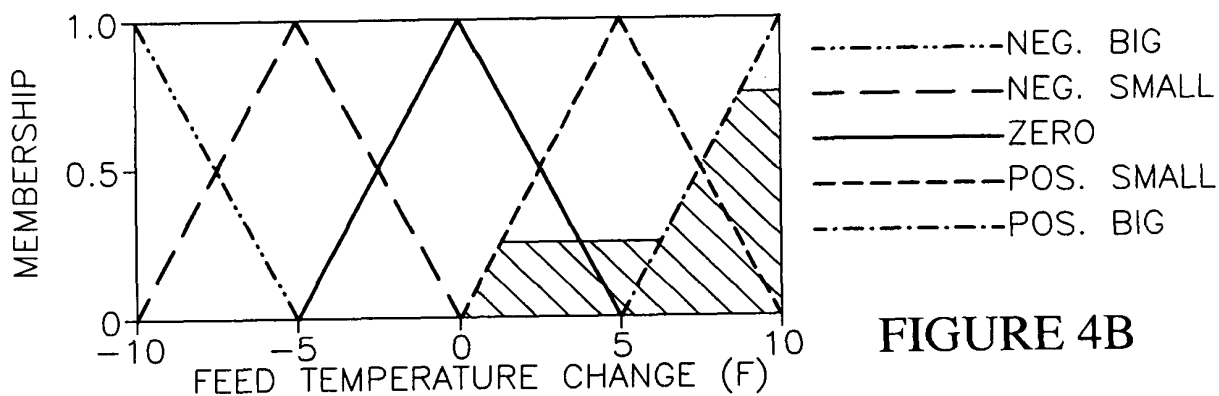


FIGURE 4B

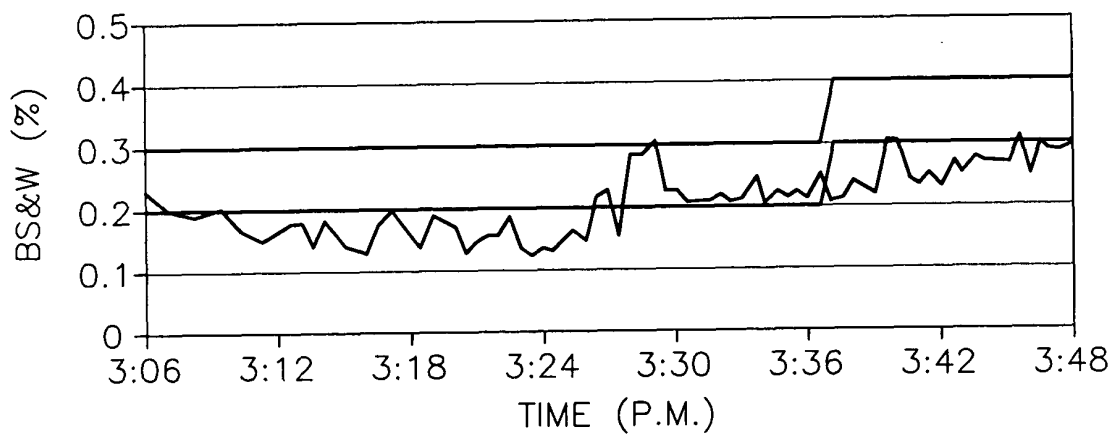


FIGURE 4C

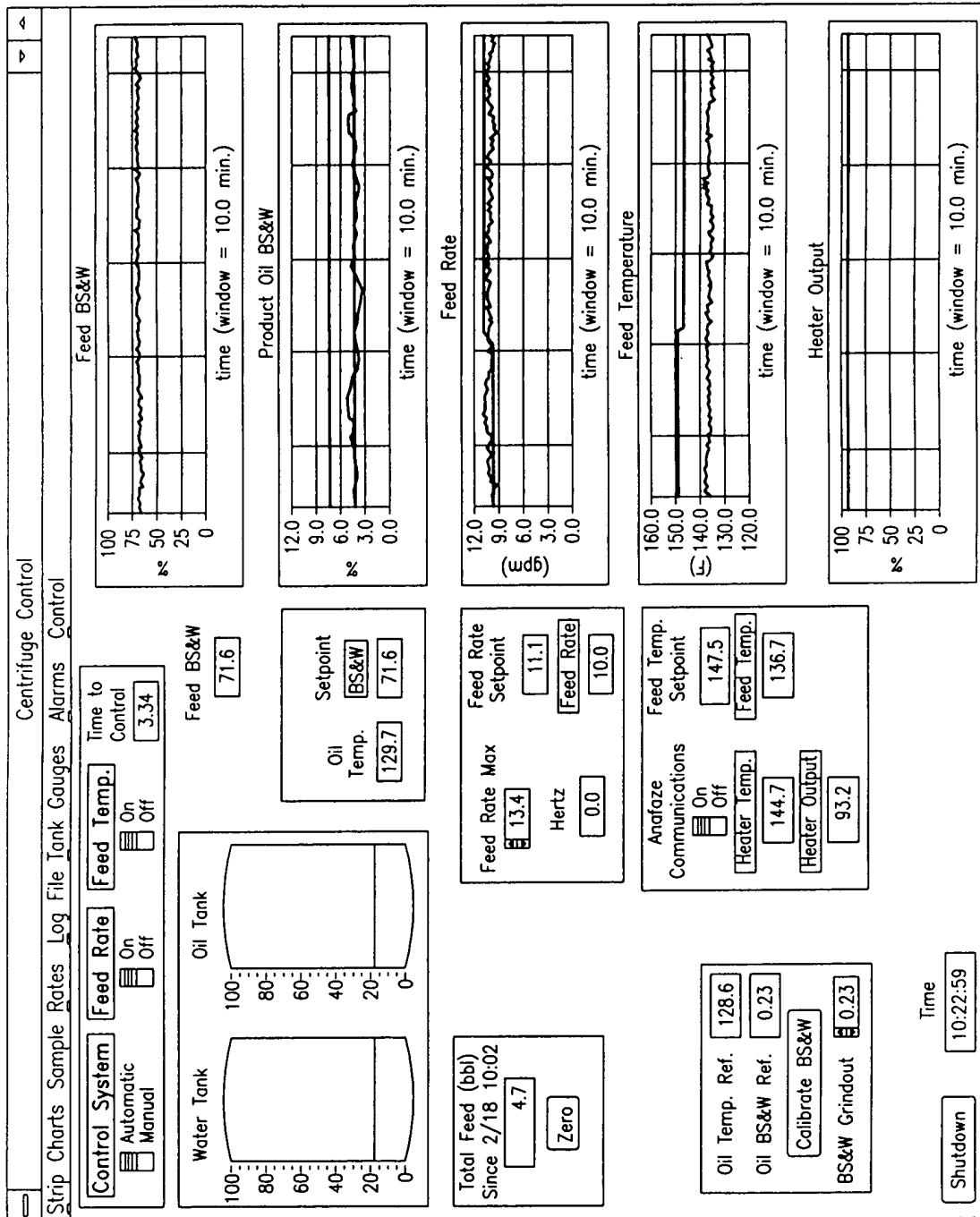


FIGURE 5

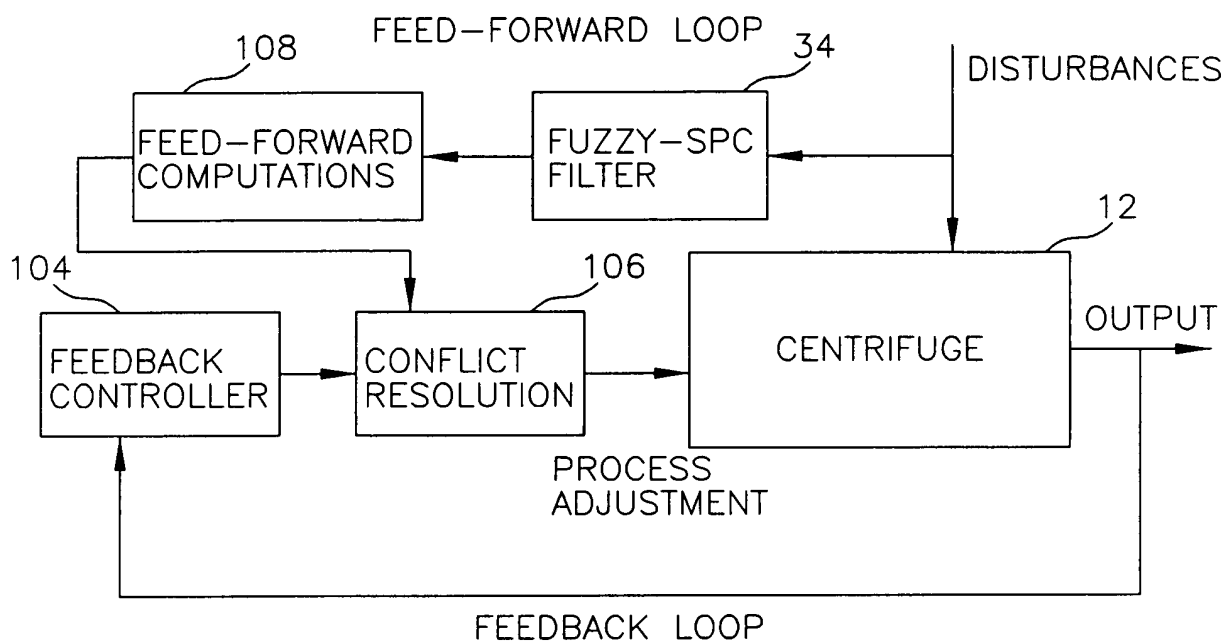


FIGURE 6A

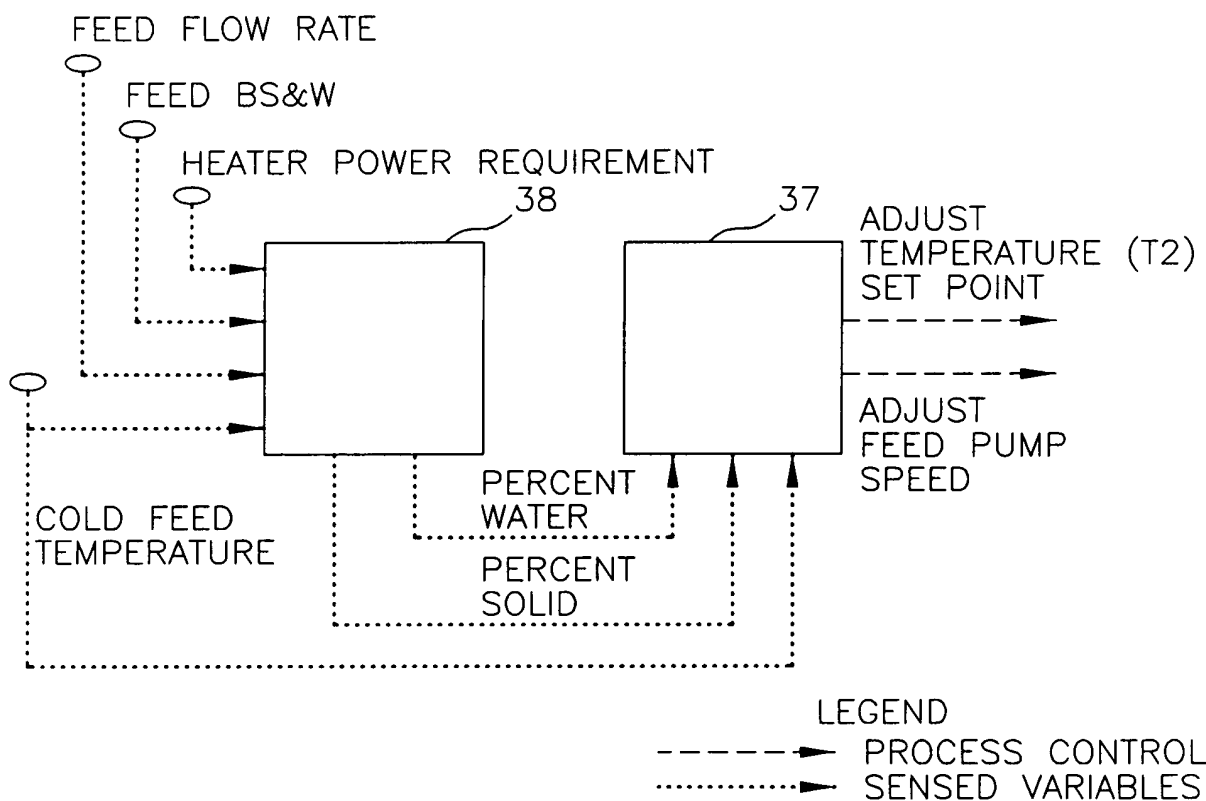


FIGURE 6B

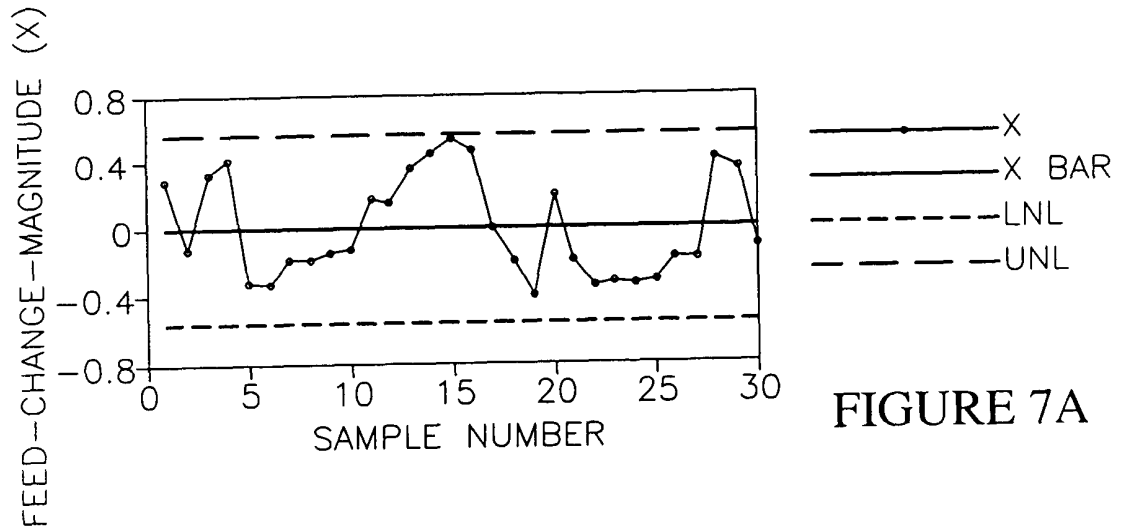


FIGURE 7A

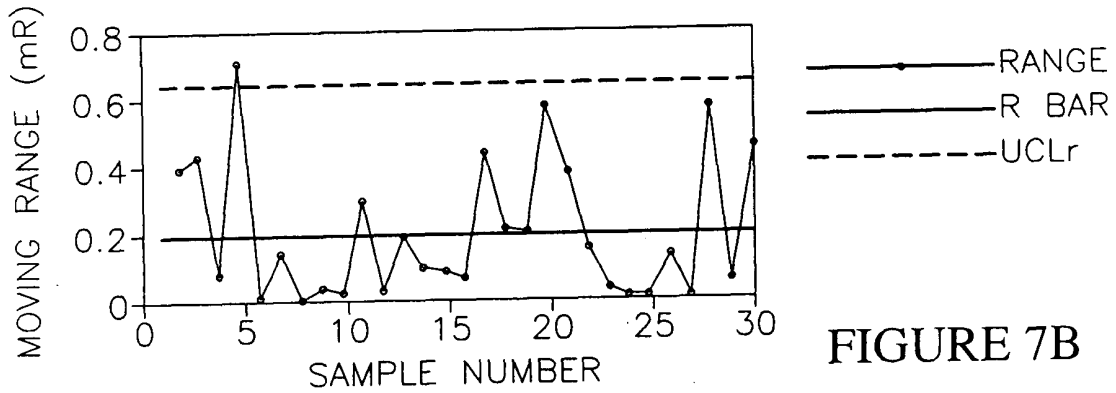


FIGURE 7B

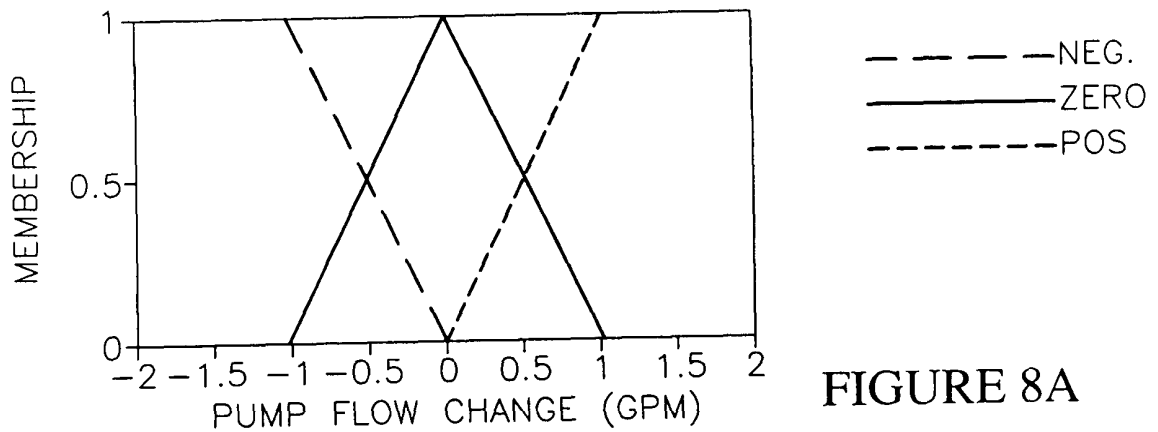


FIGURE 8A

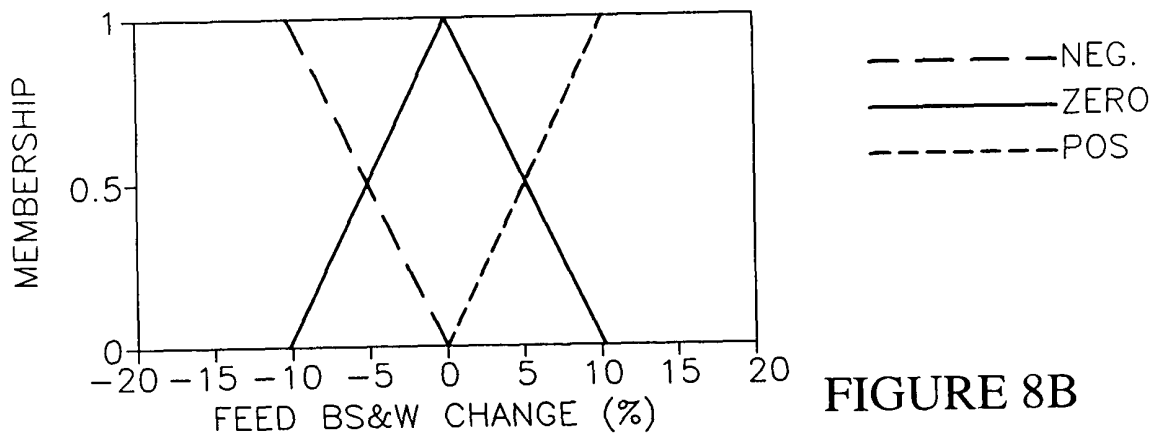


FIGURE 8B

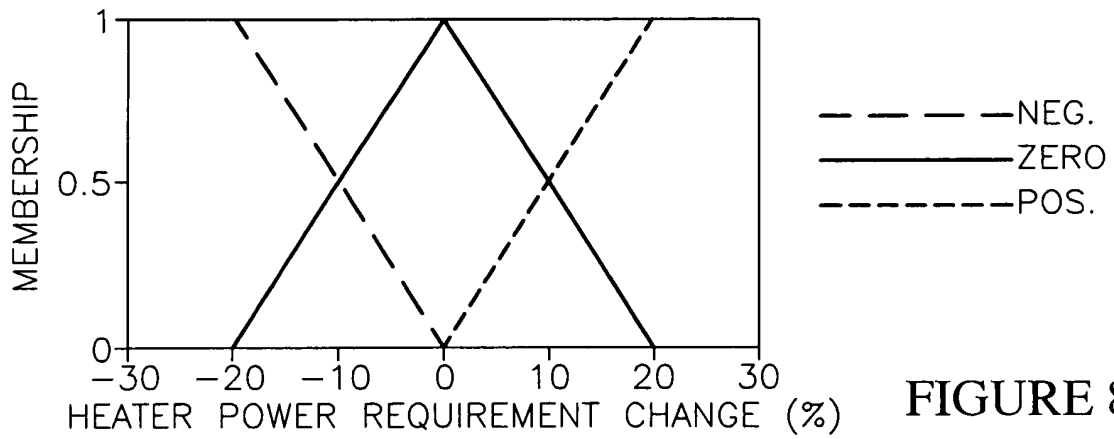


FIGURE 8C

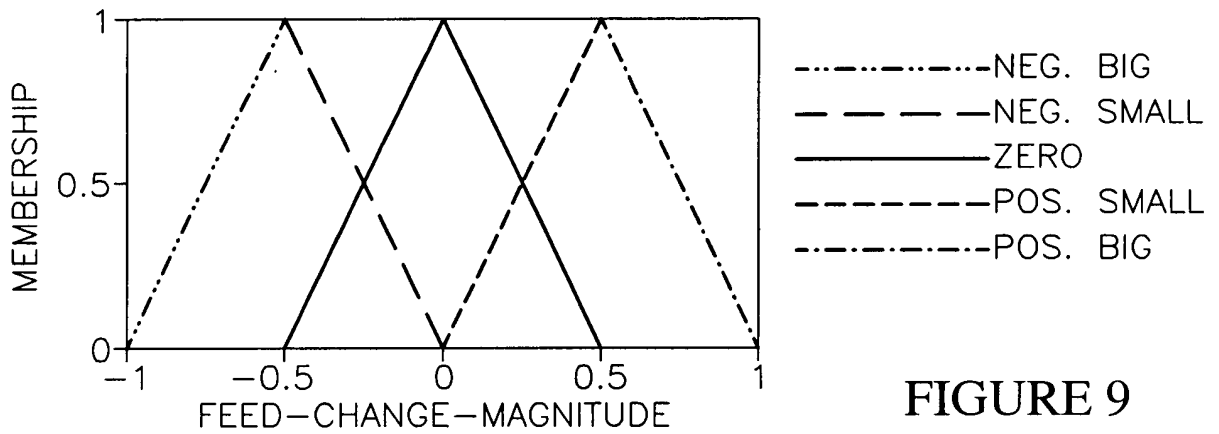


FIGURE 9

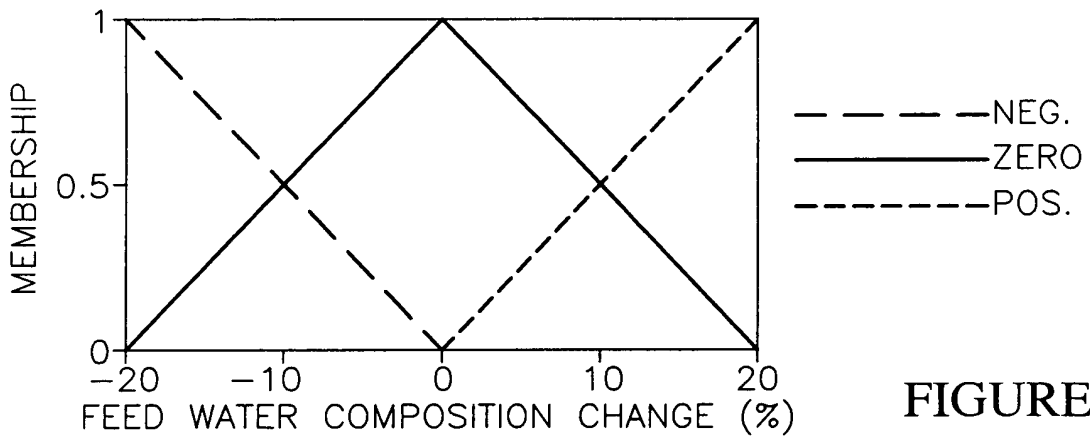


FIGURE 10A

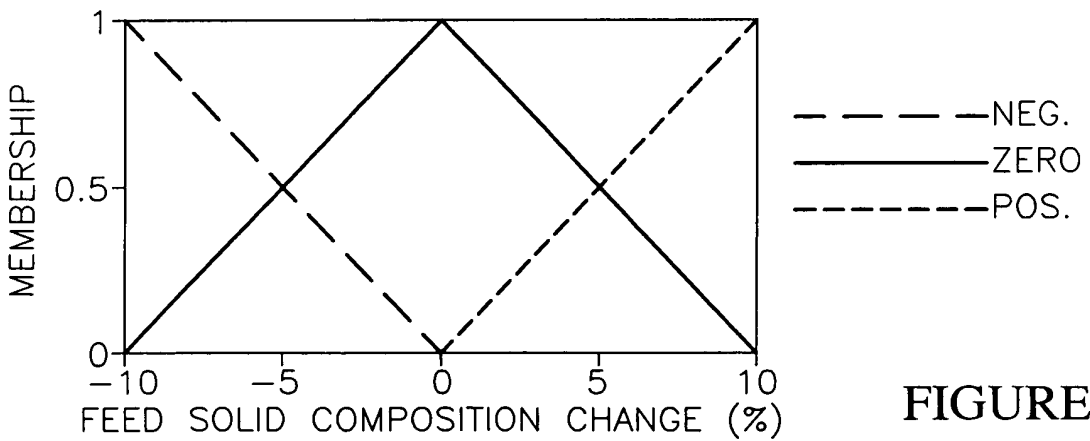


FIGURE 10B

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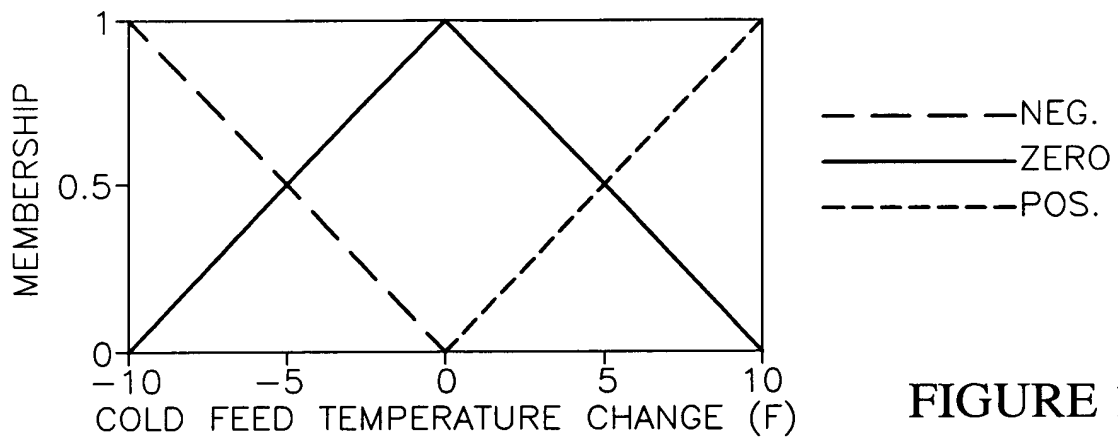


FIGURE 10C

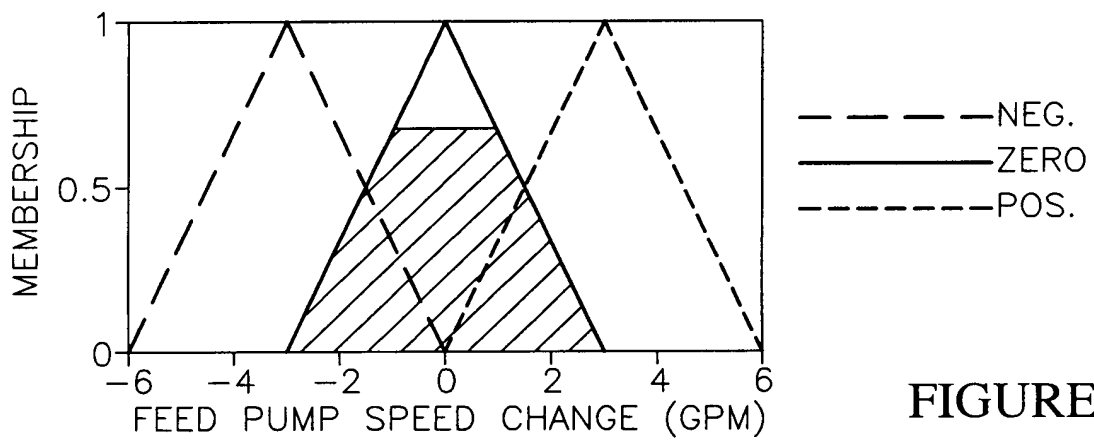


FIGURE 11A

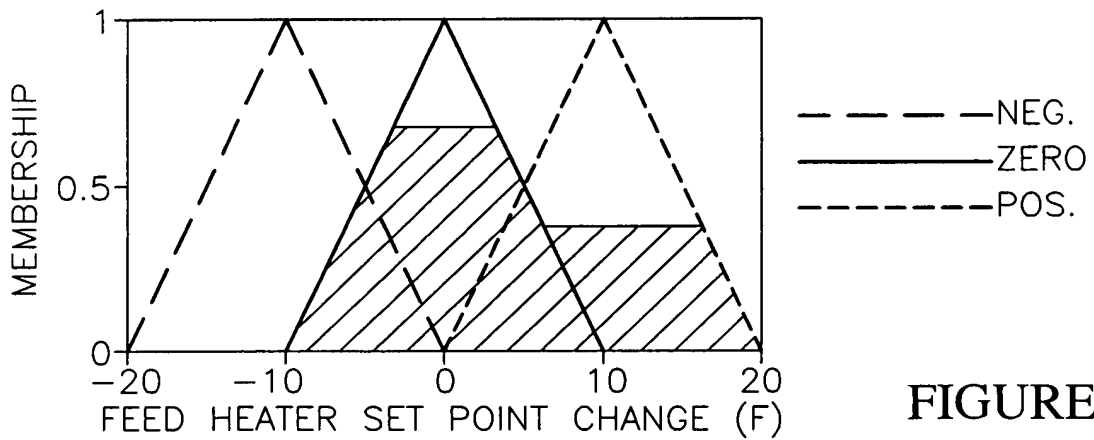


FIGURE 11B

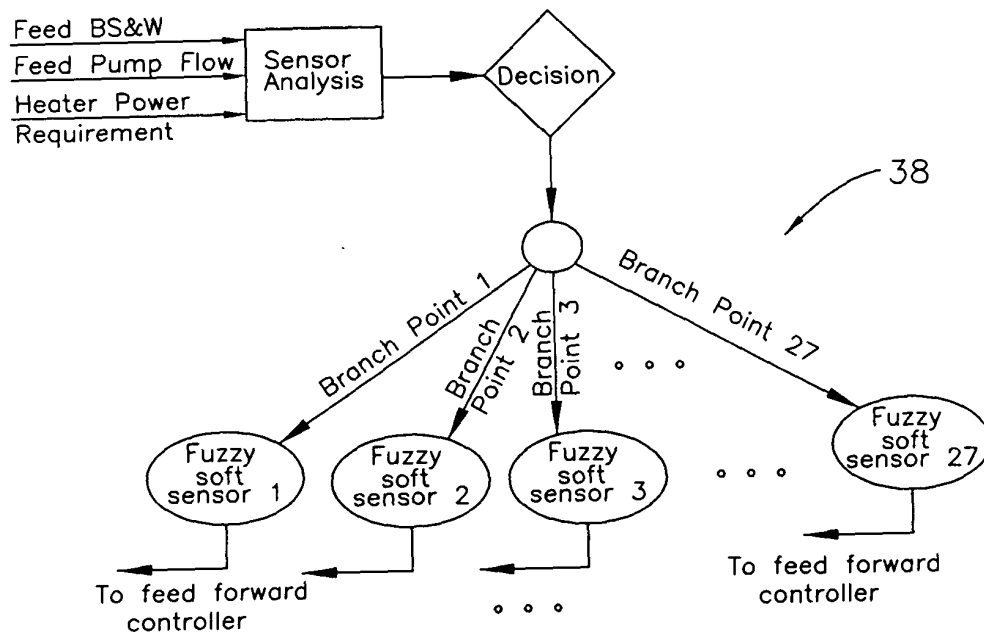


FIGURE 12